

इंटरनेट

मानक

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Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 7763 (1975): Extractor, Juice, Domestic [MED 33:
Utensils, Cutlery and Domestic Hardware]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard
**SPECIFICATION FOR
EXTRACTOR, JUICE, DOMESTIC**

1. Scope — Covers dimensional and other requirements for domestic juice extractor used for extracting juice and for crushing soft fruit and vegetables.

2. Material

2.1 Body, Feed Worm, Crank and Wing Screws — Cast aluminium alloy conforming to Designation A-10-W of IS : 617-1975 'Specification for aluminium and aluminium alloy ingots and castings for general engineering purposes (*second revision*)' or Designation A-18 of IS : 20-1959 'Specification for cast aluminium and aluminium alloys for utensils (*second revision*)'.

2.2 Strainer — Shall be made of any grade of aluminium alloy conforming to IS : 21-1975 'Specification for wrought aluminium alloys for manufacture of utensils (*third revision*)'.

2.3 Clamp Screw — Shall be made of mild steel wire conforming to IS : 280-1972 'Specification for mild steel wire for general engineering purposes (*second revision*)'.

2.4 Handle and Presser — Shall be made of any suitable timber well-seasoned and free from centre heart, decay, checks, shakes, splits, holes, warp and any defect likely to affect utility of the components.

3. Shape and Dimensions — As shown in Fig. 1.

4. Workmanship and Finish

4.1 The feed worm shall have a tapered shank with diminishing pitch towards the handle. The spiral shall be ground to sharp square edge. It shall have a smooth finish all over and the bearing surface shall be turned smooth for free running. There shall be reasonable clearance between the spiral and walls of the body so that the spiral does not touch the body at any place.

4.2 Body — Body shall be cast smooth (outside and inside) and shall be free from blow holes, pits, cracks and other casting defects. It shall be well dressed and fettled and shall be readily machinable. The clamping base of the body shall be of sufficiently thick cross section so as to resist any breakage during clamping. The clamping washer shall be affixed to the clamp screw in such a manner that it shall not be liable to come out during use. The lower portion of the body shall be sloped down towards the front so as to permit easy flow of juice into the receptacle placed underneath. The body shall have two parallel horizontal grooves inside to keep the strainer in position.

4.3 Strainer shall be shaped in such a manner as to be easily fitted and removed from the body of the juice extractor and shall not hinder the rotation of the feed worm.

4.4 All the components shall have good workmanship and shall be free from defects which affect appearance or serviceability. Assembled juice extractor shall have perfect alignment and shall not have any excessively loose or jammed part.

4.5 The aluminium parts of the juice extractor may be anodized according to Grade AC15 of IS : 1868-1968 'Specification for anodic coatings on aluminium (*first revision*)', subject to agreement between the manufacturer and the purchaser. The clamp screw and washer shall be plated chromium over nickel in accordance with service Grade No. 2 of IS : 1068-1968 'Specification for electroplated coatings of nickel and chromium on iron and steel (*revised*)'. The wooden handle shall be lacquered.

5. Tests

5.1 Performance Test — The juice extractor shall be capable of extracting juice satisfactorily without jerks or excessive strain.

6. Marking

6.1 The juice extractor shall be marked with the manufacturer's name or recognized trade-mark, country of manufacture and an arrow mark near the hub of the body showing the direction of rotation of crank handle.

FIG. 1 EXTRACTOR, JUICE, DOMESTIC, TYPICAL

7. Packing — The juice extractor shall be packed according to trade practice to afford adequate protection against damage during transit. Alternatively, it may be packed as agreed to between the manufacturer and the purchaser.